

Please type a plus sign (+) inside this box ☐

02-14-02

A

PTO/SB/01 (11\_00)

Approved for use through 10/31/2002 OMB 0651-0032

U S Patent and Trademark Office U S DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. BP 2108

First Inventor

Harr Contopanagos

Title ON-CHIP INDUCTOR HAVING IMPROVED

Express Mail Label No.

EVD53322458US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)

(submit an original and a duplicate for fee processing)  
Applicant claims small entity status.

2. ☐ See 37 CFR 1.27.

3. ☒ Specification [Total Pages 19]

(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages 8]

5. Oath or Declaration [Total Pages 2]

- a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ paper

c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & documents(s))

10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label  or ☒ Correspondence address below

Name Timothy W. Markison

Address P.O. Box 160727

City Austin

State TX

Zip Code 78716-0727

Country USA

Telephone (512) 342-0612

FAX (512) 342-1674

Name (Print/Type) Timothy W. Markison

Registration No. (Atty/Agent)

33,534

Signature



Date

2/12/02

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box +

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2001</h2> <p style="margin: 5px 0;"><i>Patent fees are subject to annual revision.</i></p>		<b>Complete if Known</b>																																																															
<b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) \$1212.00		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td></td> </tr> <tr> <td>First Named Inventor</td> <td>Harry Contopanagos</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Atty Docket No.</td> <td>BP 2108</td> </tr> </table>		Application Number		Filing Date		First Named Inventor	Harry Contopanagos	Examiner Name		Group Art Unit		Atty Docket No.	BP 2108																																																		
Application Number																																																																	
Filing Date																																																																	
First Named Inventor	Harry Contopanagos																																																																
Examiner Name																																																																	
Group Art Unit																																																																	
Atty Docket No.	BP 2108																																																																
<b>METHOD OF PAYMENT</b>		<b>FEE CALCULATION (continued)</b>																																																															
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number <span style="border: 1px solid black; display: inline-block; width: 200px; height: 20px; vertical-align: middle;"></span></p> <p>Deposit Account Name <span style="border: 1px solid black; display: inline-block; width: 200px; height: 20px; vertical-align: middle;"></span></p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> <b>Payment Enclosed:</b></p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>		<p>3.. <b>ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Fee Description</th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr><td>Surcharge-late filing fee or oath</td><td></td></tr> <tr><td>Surcharge- late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>Non-english specifications</td><td></td></tr> <tr><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>Extension for reply within first month</td><td></td></tr> <tr><td>Extension for reply within second month</td><td></td></tr> <tr><td>Extension for reply within third month</td><td></td></tr> <tr><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>Notice of Appeal</td><td></td></tr> <tr><td>Filing a brief in support of appeal</td><td></td></tr> <tr><td>Request for oral hearing</td><td></td></tr> <tr><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>Petition to revive unintentional</td><td></td></tr> <tr><td>Utility Issue Fee (or reissue)</td><td></td></tr> <tr><td>Design Issue Fee</td><td></td></tr> <tr><td>Plant Issue Fee</td><td></td></tr> <tr><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>Submissions of Information Disclosure Stmt</td><td></td></tr> <tr><td>Recording each patent assignment per property (times number of properties)</td><td>\$40.00</td></tr> <tr><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>Request for expedited Examination of design application</td><td></td></tr> <tr><td>Other fee (specify) _____</td><td></td></tr> <tr> <td>Reduced by Basic Filing Fee Paid</td> <td><b>SUBTOTAL (3)</b> \$40.00</td> </tr> </tbody> </table>		Fee Description		Surcharge-late filing fee or oath		Surcharge- late provisional filing fee or cover sheet		Non-english specifications		For filing a request for ex parte reexamination		Requesting publication of SIR prior to Examiner action		Requesting publication of SIR after Examiner action		Extension for reply within first month		Extension for reply within second month		Extension for reply within third month		Extension for reply within fourth month		Extension for reply within fifth month		Notice of Appeal		Filing a brief in support of appeal		Request for oral hearing		Petition to institute a public use proceeding		Petition to revive - unavoidable		Petition to revive unintentional		Utility Issue Fee (or reissue)		Design Issue Fee		Plant Issue Fee		Petitions to the Commissioner		Processing fee under 37 CFR 1.17(q)		Submissions of Information Disclosure Stmt		Recording each patent assignment per property (times number of properties)	\$40.00	Filing a submission after final rejection (37 CFR 1.129(a))		For each additional invention to be examined (37 CFR 1.129(b))		Request for Continued Examination (RCE)		Request for expedited Examination of design application		Other fee (specify) _____		Reduced by Basic Filing Fee Paid	<b>SUBTOTAL (3)</b> \$40.00
Fee Description																																																																	
Surcharge-late filing fee or oath																																																																	
Surcharge- late provisional filing fee or cover sheet																																																																	
Non-english specifications																																																																	
For filing a request for ex parte reexamination																																																																	
Requesting publication of SIR prior to Examiner action																																																																	
Requesting publication of SIR after Examiner action																																																																	
Extension for reply within first month																																																																	
Extension for reply within second month																																																																	
Extension for reply within third month																																																																	
Extension for reply within fourth month																																																																	
Extension for reply within fifth month																																																																	
Notice of Appeal																																																																	
Filing a brief in support of appeal																																																																	
Request for oral hearing																																																																	
Petition to institute a public use proceeding																																																																	
Petition to revive - unavoidable																																																																	
Petition to revive unintentional																																																																	
Utility Issue Fee (or reissue)																																																																	
Design Issue Fee																																																																	
Plant Issue Fee																																																																	
Petitions to the Commissioner																																																																	
Processing fee under 37 CFR 1.17(q)																																																																	
Submissions of Information Disclosure Stmt																																																																	
Recording each patent assignment per property (times number of properties)	\$40.00																																																																
Filing a submission after final rejection (37 CFR 1.129(a))																																																																	
For each additional invention to be examined (37 CFR 1.129(b))																																																																	
Request for Continued Examination (RCE)																																																																	
Request for expedited Examination of design application																																																																	
Other fee (specify) _____																																																																	
Reduced by Basic Filing Fee Paid	<b>SUBTOTAL (3)</b> \$40.00																																																																
<p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Fee Description</th> <th style="width: 30%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>Utility filing fee</td><td>740.00</td></tr> <tr><td>Design filing fee</td><td></td></tr> <tr><td>Plant filing fee</td><td></td></tr> <tr><td>Reissue filing fee</td><td></td></tr> <tr><td>Provisional filing fee</td><td></td></tr> <tr> <td><b>SUBTOTAL (1)</b></td> <td><b>(\$ ) \$740.00</b></td> </tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Extra Claims</th> <th>Fee From Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>30</td> <td>-20** 10 X 18</td> <td>= 180.00</td> </tr> <tr> <td>Independent Claims</td> <td>6</td> <td>-3** 3 X 84</td> <td>= 252.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>=</td> </tr> <tr> <td colspan="2"><b>Fee Description</b></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Claims in excess of 20</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Independent claims in excess of 3</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">**Reissue independent claims over original patent</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">**Reissue claims in excess of 20 and over original patent</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"><b>SUBTOTAL (2)</b></td> <td colspan="2"><b>(\$ ) 432.00</b></td> </tr> </tbody> </table> <p><small>**or number previously paid, if greater, For Reissues, see above</small></p>		Fee Description	Fee Paid	Utility filing fee	740.00	Design filing fee		Plant filing fee		Reissue filing fee		Provisional filing fee		<b>SUBTOTAL (1)</b>	<b>(\$ ) \$740.00</b>	Extra Claims		Fee From Below	Fee Paid	Total Claims	30	-20** 10 X 18	= 180.00	Independent Claims	6	-3** 3 X 84	= 252.00	Multiple Dependent			=	<b>Fee Description</b>				Claims in excess of 20				Independent claims in excess of 3				**Reissue independent claims over original patent				**Reissue claims in excess of 20 and over original patent				<b>SUBTOTAL (2)</b>		<b>(\$ ) 432.00</b>											
Fee Description	Fee Paid																																																																
Utility filing fee	740.00																																																																
Design filing fee																																																																	
Plant filing fee																																																																	
Reissue filing fee																																																																	
Provisional filing fee																																																																	
<b>SUBTOTAL (1)</b>	<b>(\$ ) \$740.00</b>																																																																
Extra Claims		Fee From Below	Fee Paid																																																														
Total Claims	30	-20** 10 X 18	= 180.00																																																														
Independent Claims	6	-3** 3 X 84	= 252.00																																																														
Multiple Dependent			=																																																														
<b>Fee Description</b>																																																																	
Claims in excess of 20																																																																	
Independent claims in excess of 3																																																																	
**Reissue independent claims over original patent																																																																	
**Reissue claims in excess of 20 and over original patent																																																																	
<b>SUBTOTAL (2)</b>		<b>(\$ ) 432.00</b>																																																															

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print Type)	Timothy W. Markison	Registration No. (Attorney Agent)	33,534 Telephone (512) 342-0612
Signature		Date	2/12/02

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

**Certificate Under 37 C.F.R. § 3.73(b)**

Applicants: **Harry Contopanagos, Christos Komninakis, and Sissy Hyriazidou**

Application No.:

Filing Date:

Entitled: **ON-CHIP INDUCTOR HAVING IMPROVED QUALITY FACTOR AND METHOD OF MANUFACTURE THEREOF**

**Broadcom Corporation**

(Name of Assignee)

**a , California Corporation**

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: February 8, 2002

Name: William J. Ruehle

Title: Vice President and Chief Financial Officer

Signature: 